Session 5 | Sugar Cane Spirits

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Raw material

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Raw material

Sugar cane

- sugar cane juice

  vegetal, grassy, herbaceous

- cane syrup
- molasses

  toffee, caramel, brown sugar

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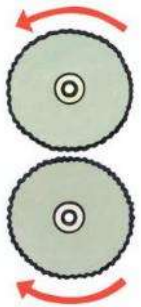
Sugar cane spirits basics

processing the raw material & fermentation

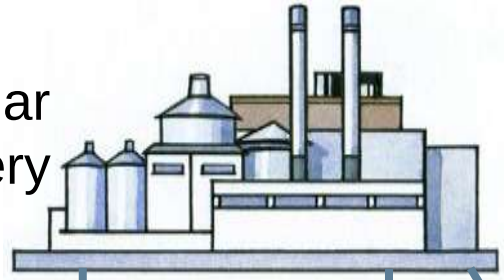
sugar cane

crush



sugar cane juice

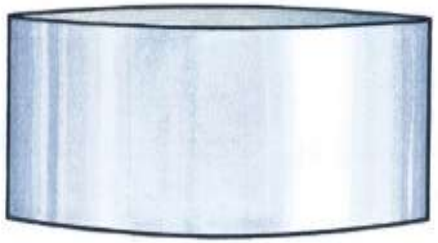
sugar refinery



cane syrup*

molasses*

sugar



sugary liquid

* water is added to cane syrup and molasses

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❷

add | yeast

alcoholic liquid

ambient yeast an option for high ester production

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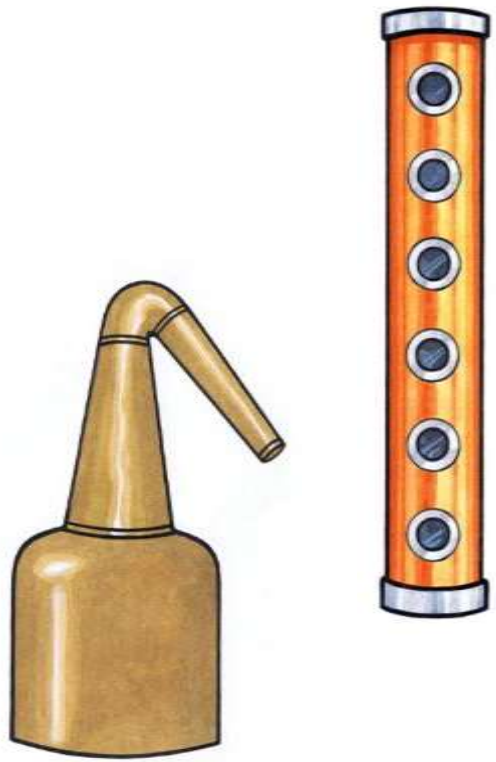
Sugar cane spirits basics

distillation and post-distillation



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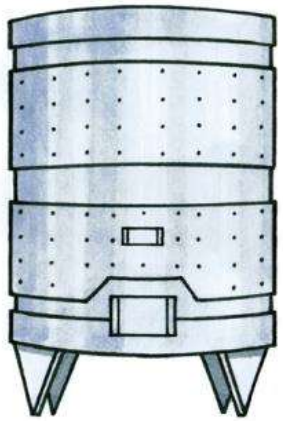

filter to remove colour (*optional*)

caramel colour (*optional*)

sugar (*optional if permitted*)

blending and dilution (*typical*)

sugar cane spirit

pot stills or column stills

- light marks
- heavy marks

inert vessels or oak barrels

- tropical ageing
- continental ageing

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Column stills

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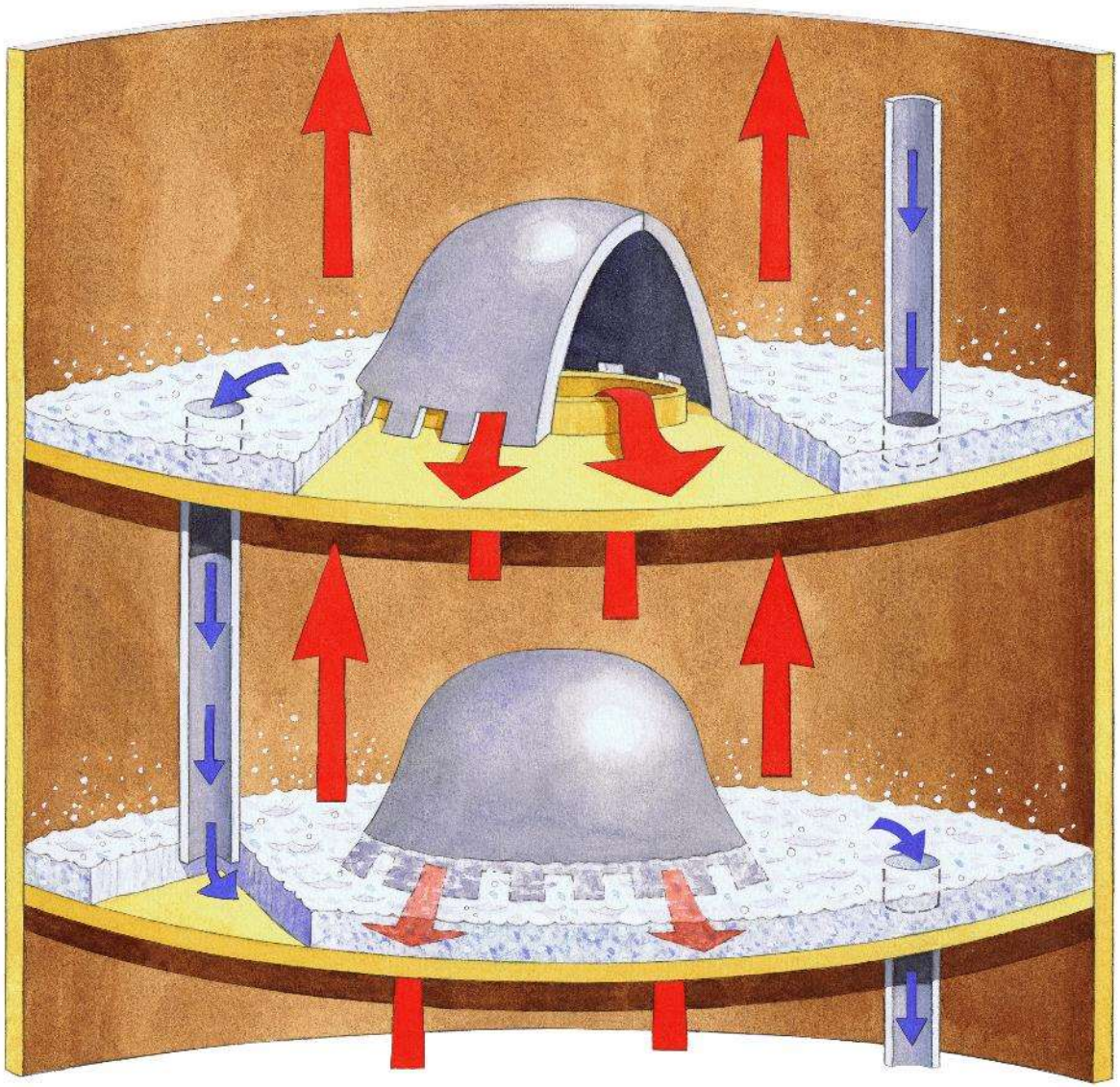
Plates

water/ethanol mix



higher concentration of ethanol in the vapours rising up the still

higher concentration of water in the liquid flowing down the still

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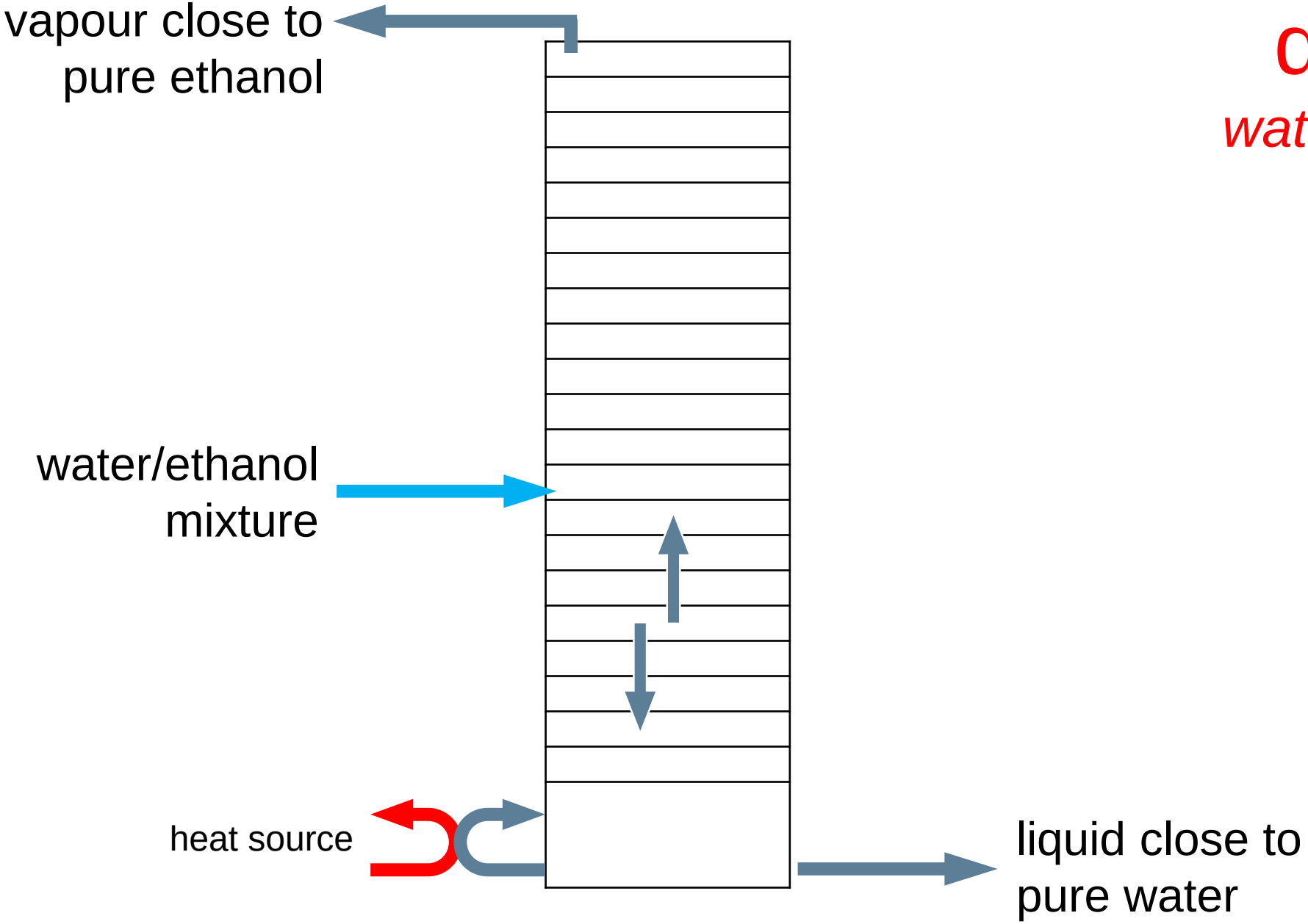
Continuous column still distillation

water/ethanol mix



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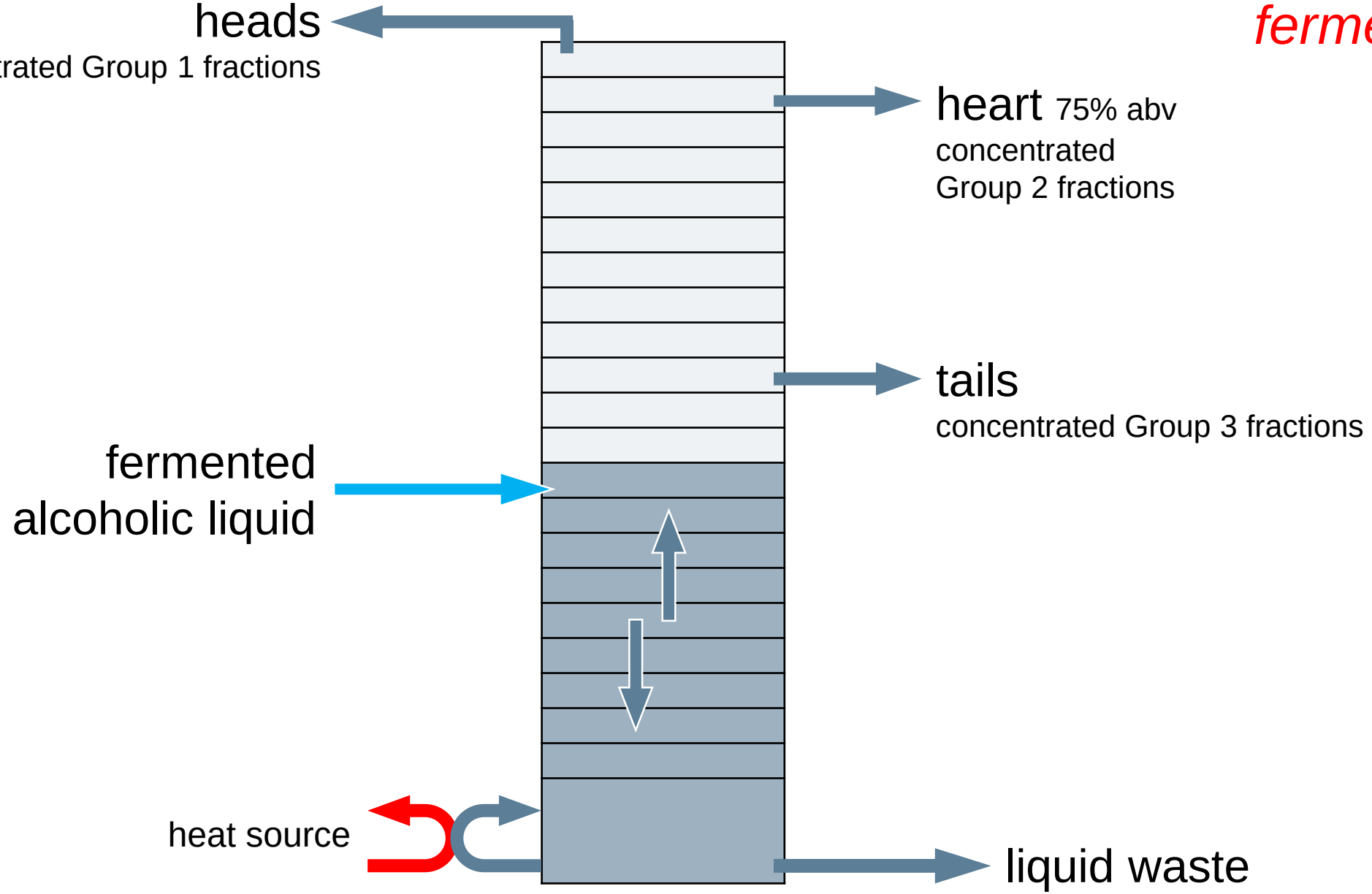
Continuous column still distillation

fermented liquid



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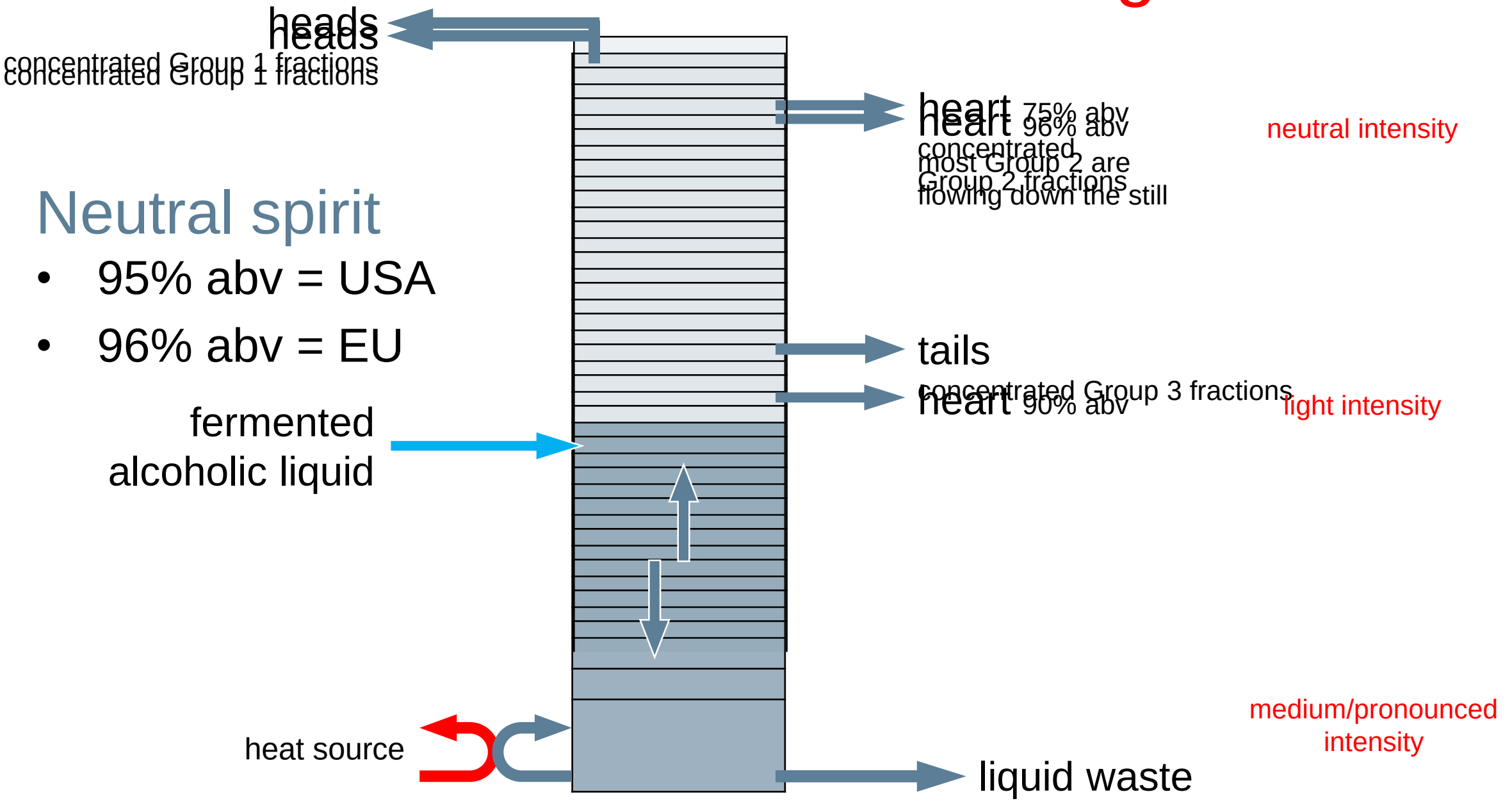
Distillation strength & flavour

Neutral spirit

- 95% abv = USA
- 96% abv = EU



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Classifying rum

Martinique and Guadeloupe

Cuba and Puerto Rico

Jamaica

Cuba
Puerto Rico
Jamaica
Guadeloupe
Martinique
Barbados
Guatemala
Nicaragua
Panama
Venezuela
Guyana
Colombia
Brazil
20°N
10°N
0°
RUM PRODUCING COUNTRIES
N

Barbados

Cuba
Puerto Rico
Jamaica
Guadeloupe
Martinique
Guatemala
Barbados
Nicaragua
Panama
Venezuela
Guyana
Colombia
Brazil
20°N
10°N
0°
RUM PRODUCING COUNTRIES
N

Guyana

Cuba
Puerto Rico
Jamaica
Guadeloupe
Martinique
Barbados
Guatemala
Nicaragua
Panama
Venezuela
Guyana
Colombia
Brazil
20°N
10°N
0°
RUM PRODUCING COUNTRIES
N

Central and South America

Blended rums and non-distillery bottlings

Blended rums

- multi-distillery blends
- stock typically from 3rd parties

Non-distillery bottlings

- single distillery rums
- stock typically matured and bottled by 3rd parties

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Brazil: *cachaça*